

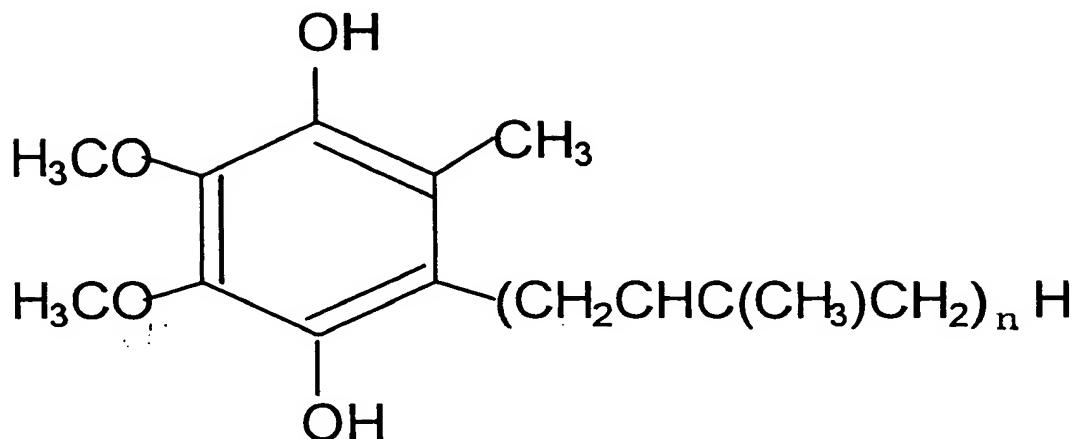
## CLAIMS

1. A composition for protecting liver functions, which comprises reduced coenzyme Q represented by formula (1):

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(1)

20 (wherein n represents an integer in the range of 1 to 12).

2. The composition according to claim 1, wherein the reduced coenzyme Q is reduced coenzyme Q<sub>10</sub>.

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3. The composition according to claim 1 or 2, wherein the content of the reduced coenzyme Q is in the range of 0.001 to 99 percent by weight.

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4. The composition according to any one of claims 1 to 3, which further comprises a health food material.

5. A pharmaceutical formulation for protecting liver functions, which comprises the composition according to any one of claims 1 to 4.

6. The pharmaceutical formulation according to claim 5, which is in the form of a powder, or a capsule formulation.

7. The pharmaceutical formulation according to claim 5, 5 which is in the form of a drinkable preparation, an injectable solution, or an infusion or a drops formulation.

8. A functional food for protecting liver functions, which comprises the composition according to any one of claims 1 to 10 4.

9. An animal feeding stuff for protecting liver functions, which comprises the composition according to any one of claims 1 to 4.

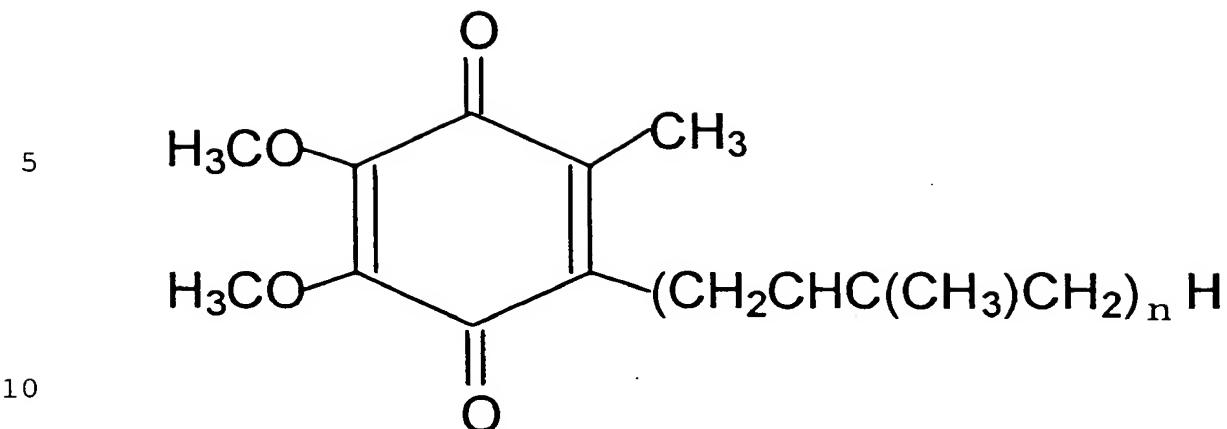
15 10. A method for protecting liver functions of a mammal, which comprises administering to a mammal the composition according to any one of claims 1 to 4 .

20 11. A method for protecting liver functions of a mammal, which comprises orally administering the composition according to any one of claims 1 to 4 .

25 12. A composition for protecting liver functions, which comprises oxidized coenzyme Q represented by formula (2) and selenium, wherein the content of the selenium is less than 0.01 percent by weight:

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(2)

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(wherein n represents an integer in the range of 1 to 12).

13. The composition according to claim 12, which is used for oral administration.

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14. The composition according to claim 12 or 13, wherein the oxidized coenzyme Q is oxidized coenzyme Q<sub>10</sub>.

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15. The composition according to any one of claims 12 to 14, wherein the content of the oxidized coenzyme Q is in the range of 0.001 to 99 percent by weight.

16. The composition according to any one of claims 12 to 15, which further comprises a health food material.

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17. A pharmaceutical formulation for protecting liver functions, which comprises the composition according to any one of claims 12 to 16.

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18. The pharmaceutical formulation according to claim 17,

which is in the form of a granulation, a powder, or a capsule formulation.

19. The pharmaceutical formulation according to claim  
5 17, which is in the form of a drinkable preparation, an  
injectable solution, or an infusion or a drops formulation.

20. A functional food for protecting liver functions, which  
comprises the composition according to any one of claims 12 to  
10 16.

21. An animal feeding stuff for protecting liver  
functions, which comprises the composition according to any one  
of claims 12 to 16.

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22. A method for protecting liver functions of a mammal,  
which comprises administering to a mammal the composition  
according to any one of claims 12 to 16.

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